

Figure 1

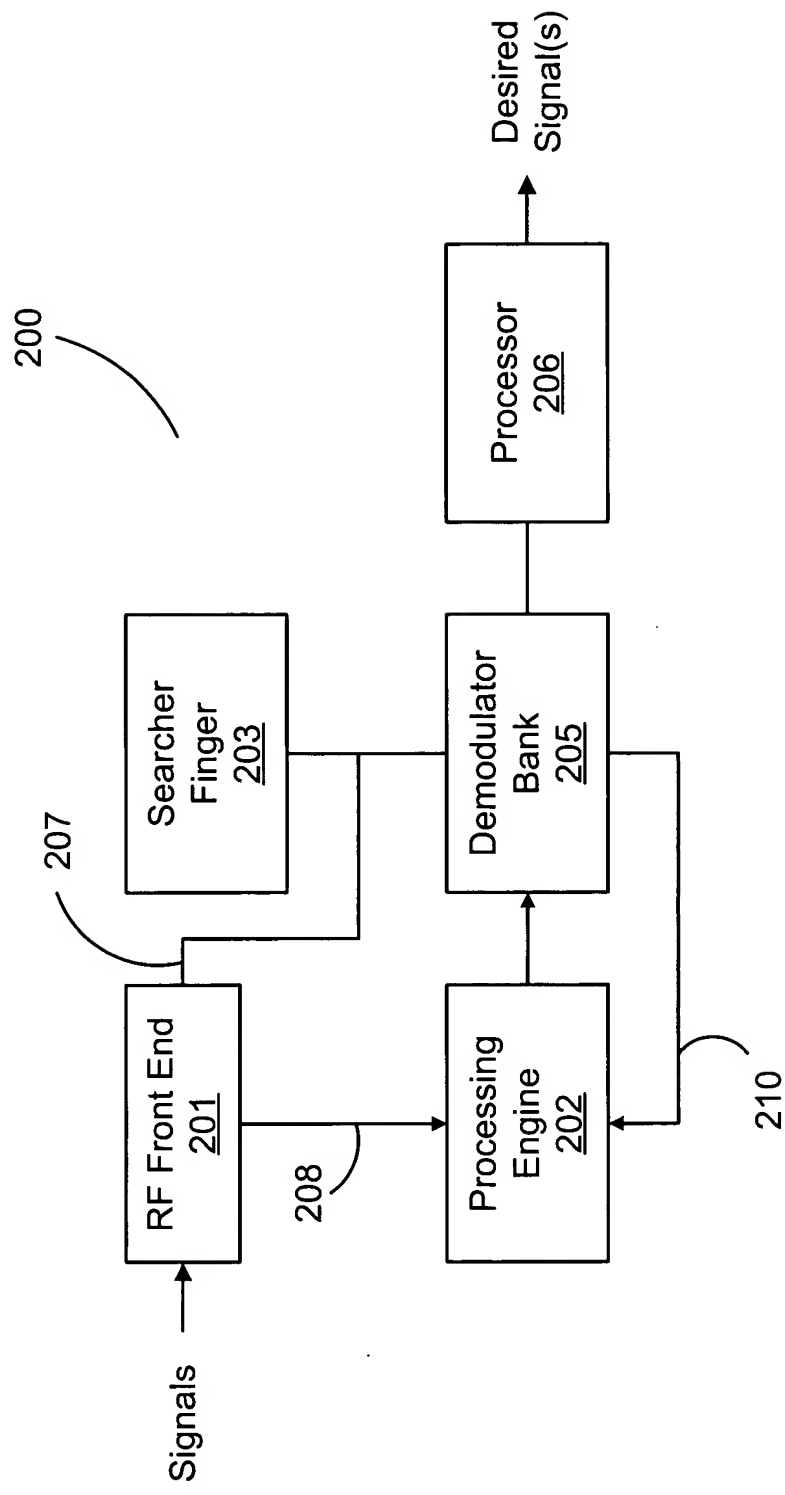


Figure 2

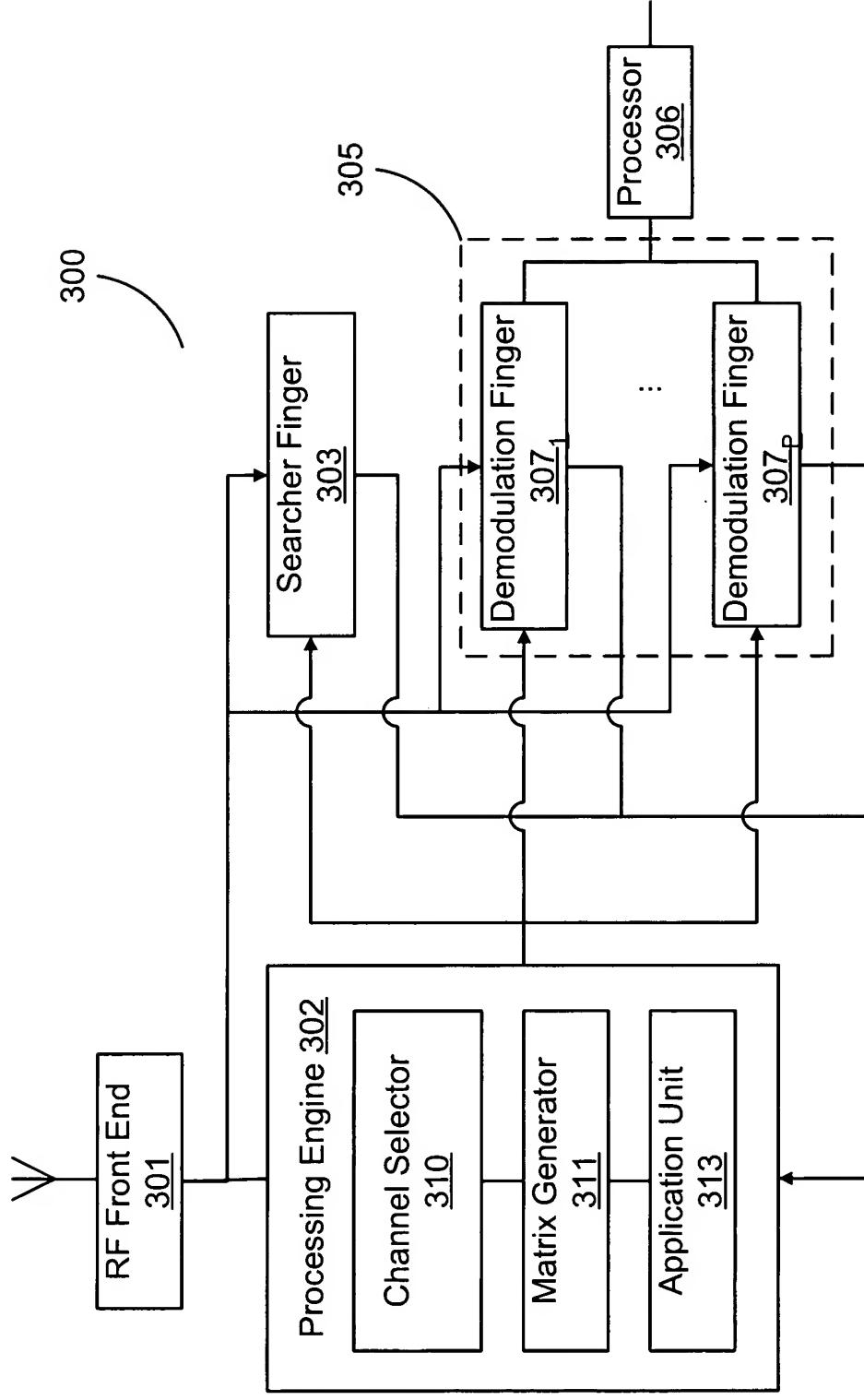


Figure 3

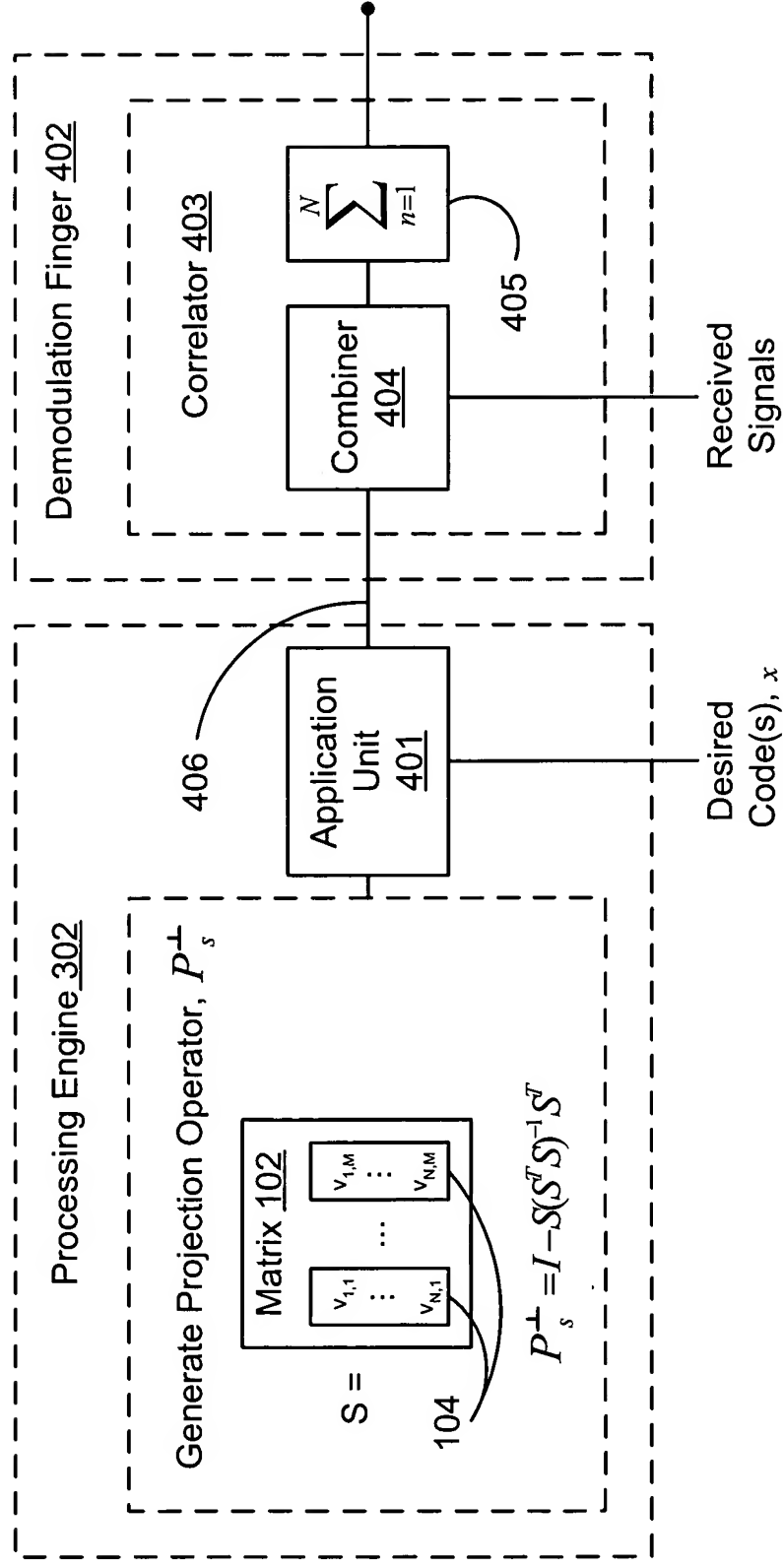
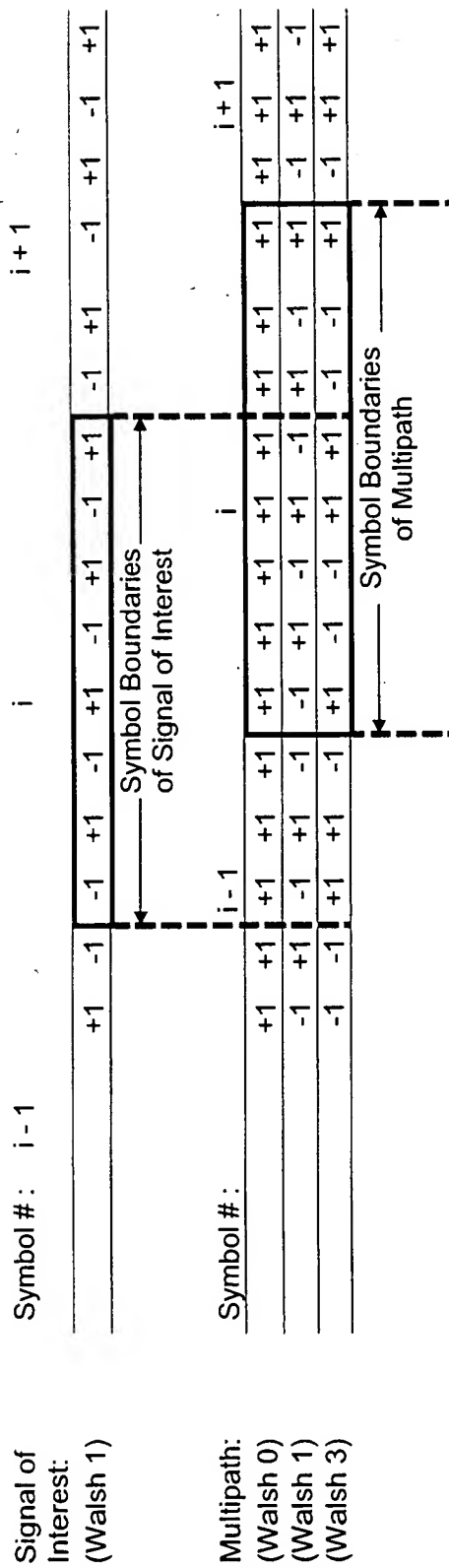


Figure 4



Bit Sequence – Symbols  $i-1, i, i+1$

(Walsh 1):    +1   -1   -1

(Walsh 3):    -1   +1   -1

Interference of Multipath on Signal of Interest

$$u_{0,2} = (+1) * u_{0,2}^L + (+1) * u_{0,2}^R: \quad +1 \quad +1 \quad +1 \quad +1 \quad +1$$

$$u_{1,2} = (+1) * u_{1,2}^L + (-1) * u_{1,2}^R: \quad -1 \quad +1 \quad -1 \quad +1 \quad -1$$

$$u_{3,2} = (-1) * u_{3,2}^L + (+1) * u_{3,2}^R: \quad +1 \quad +1 \quad -1 \quad +1 \quad -1$$

Figure 5

Signal of Interest: (Walsh 1)	Symbol # : $i - 1$	$i$	$i + 1$
	$+B_1$ $-B_1$	$-B_2$ $+B_2$ $-B_2$ $+B_2$ $-B_2$ $+B_2$ $-B_2$ $+B_2$	$-B_3$ $+B_3$ $-B_3$ $+B_3$ $-B_3$ $+B_3$
	Symbol Boundaries of Signal of Interest		
Multipath: (Walsh 0)	Symbol # : $i - 1$	$i$	$i + 1$
(Walsh 1)	$+A_1$ $+A_1$	$+A_2$ $+A_2$ $+A_2$ $+A_2$	$+A_3$ $+A_3$ $+A_3$
(Walsh 3)	$-B_1$ $+B_1$	$-B_2$ $+B_2$ $-B_2$ $+B_2$ $-B_2$ $+B_2$	$-B_3$ $+B_3$ $-B_3$ $+B_3$
	$-C_1$ $-C_1$	$+C_2$ $-C_2$ $-C_2$ $+C_2$ $-C_2$ $+C_2$	$-C_3$ $+C_3$ $-C_3$ $+C_3$
	Symbol Boundaries of Multipath		

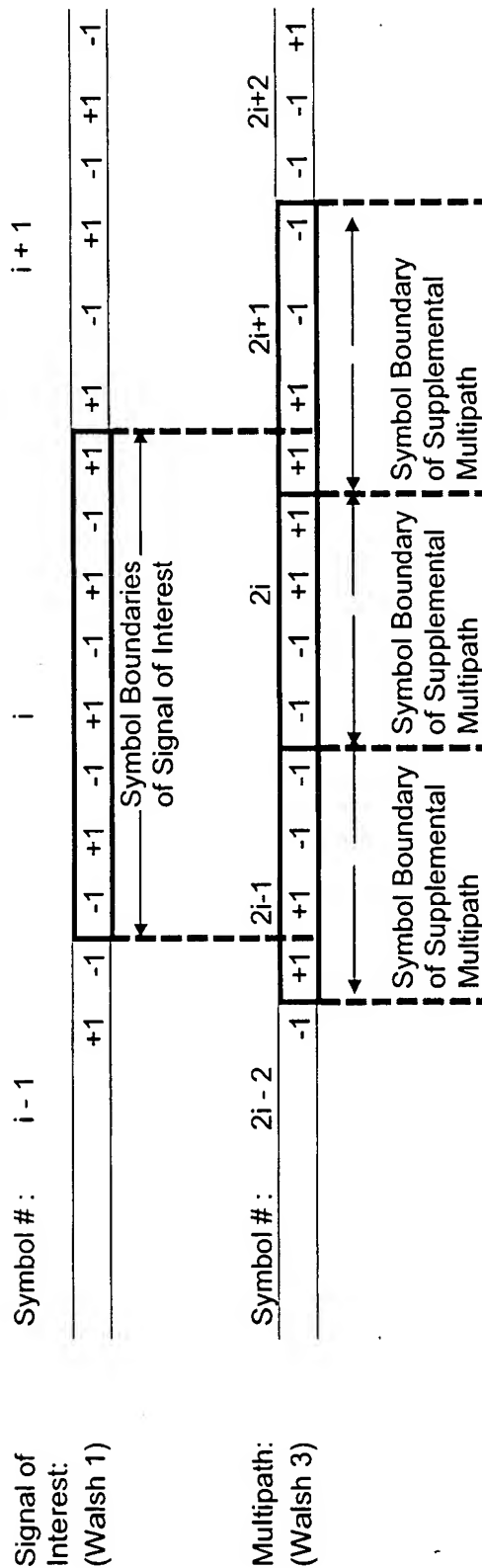
### Relative Amplitude (Bit) Sequence – Symbols $i - 1, i, i + 1$

(Walsh 0):  $+A_1$   $+A_2$   $+A_3$   
(Walsh 1):  $+B_1$   $-B_2$   $-B_3$   
(Walsh 3):  $-C_1$   $+C_2$   $-C_3$

### Interference of Multipath on Signal of Interest

$$\begin{aligned}
 u_{0,2} &= (+A_1)^L u_{0,2}^L + (+A_2)^R u_{0,2}^R: & +A_1 & +A_1 & +A_2 & +A_2 & +A_2 & +A_2 & +A_2 & +A_2 \\
 u_{1,2} &= (+B_1)^L u_{1,2}^L + (-B_2)^R u_{1,2}^R: & -B_1 & +B_1 & -B_2 & +B_2 & -B_2 & +B_2 & -B_2 & +B_2 \\
 u_{3,2} &= (-C_1)^L u_{3,2}^L + (+C_2)^R u_{3,2}^R: & +C_1 & +C_1 & -C_2 & +C_2 & -C_2 & +C_2 & -C_2 & +C_2 \\
 \text{CIV} &= u_{0,2} + u_{1,2} + u_{3,2}: & A_1-B_1-C_1 & A_1+B_1-C_1 & A_2-B_2+C_2 & A_2+B_2-C_2 & A_2-B_2-C_2 & A_2+B_2+C_2 & A_2-B_2+C_2 & A_2-B_2+C_2
 \end{aligned}$$

Figure 6



Bit Sequence – Symbols  $2i-2, 2i-1, 2i, 2i+1, 2i+2$

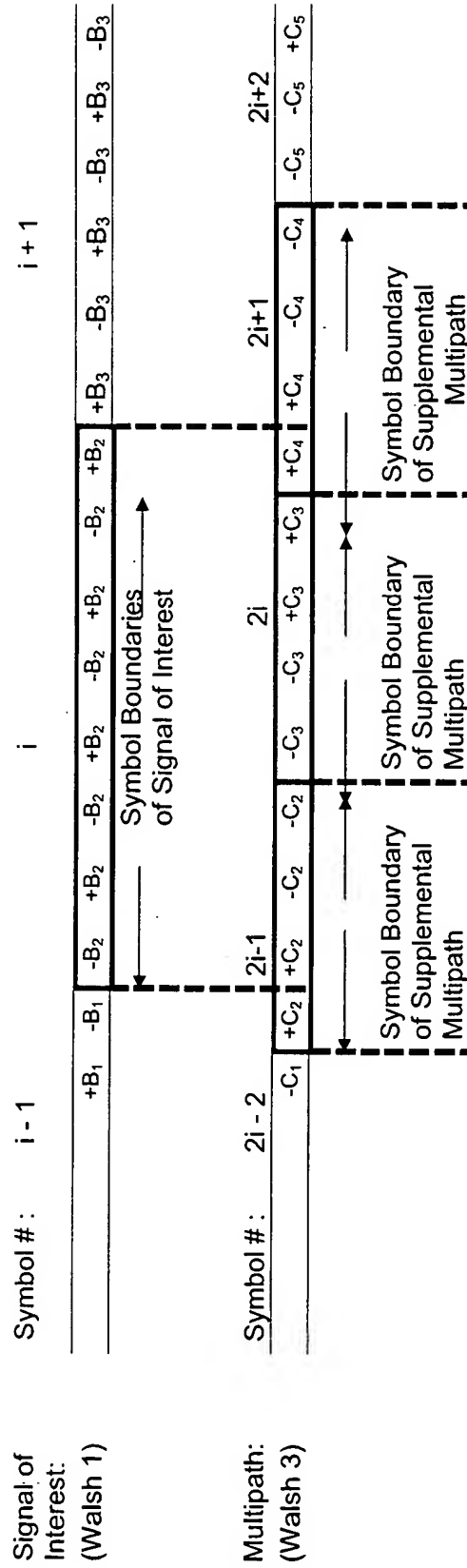
Walsh (3):  $+1 \quad +1 \quad -1 \quad +1 \quad -1$

Interference of Multipath with Supplemental Channels on Signal of Interest

$$u_{3,2} = (+1)^* u_{3,2}^1 + (-1)^* u_{3,2}^2 + (+1)^* u_{3,2}^3$$

$u_{0,2}:$	+1	+1	+1	+1	+1	+1	+1
$u_{1,2}:$	-1	+1	-1	+1	-1	+1	-1
$u_{3,2}:$	+1	-1	-1	-1	-1	+1	+1

Figure 7



Bit Sequence – Symbols  $2i-2, 2i-1, 2i, 2i+1, 2i+2$   
Walsh (3):  $+C_1 \quad +C_2 \quad -C_3 \quad +C_4 \quad -C_5$

Interference of Multipath with Supplemental Channels on Signal of Interest

$$u_{0,2}: \begin{matrix} +A_1 & +A_1 & +A_1 & +A_2 & +A_2 & +A_2 & +A_2 & +A_2 \\ -B_1 & +B_1 & -B_1 & -B_2 & -B_2 & -B_2 & -B_2 & -B_2 \\ +C_2 & -C_2 & -C_2 & -C_3 & -C_3 & -C_3 & +C_3 & +C_3 \\ \text{CIV: } A_1-B_1+C_2 & A_1+B_1-C_2 & A_1-B_1-C_2 & A_2-B_2-C_3 & A_2-B_2-C_3 & A_2+B_2-C_3 & A_2-B_2+C_3 & A_2+B_2+C_3 \\ & & & & & & & A_2-B_2+C_4 \end{matrix}$$

Figure 8



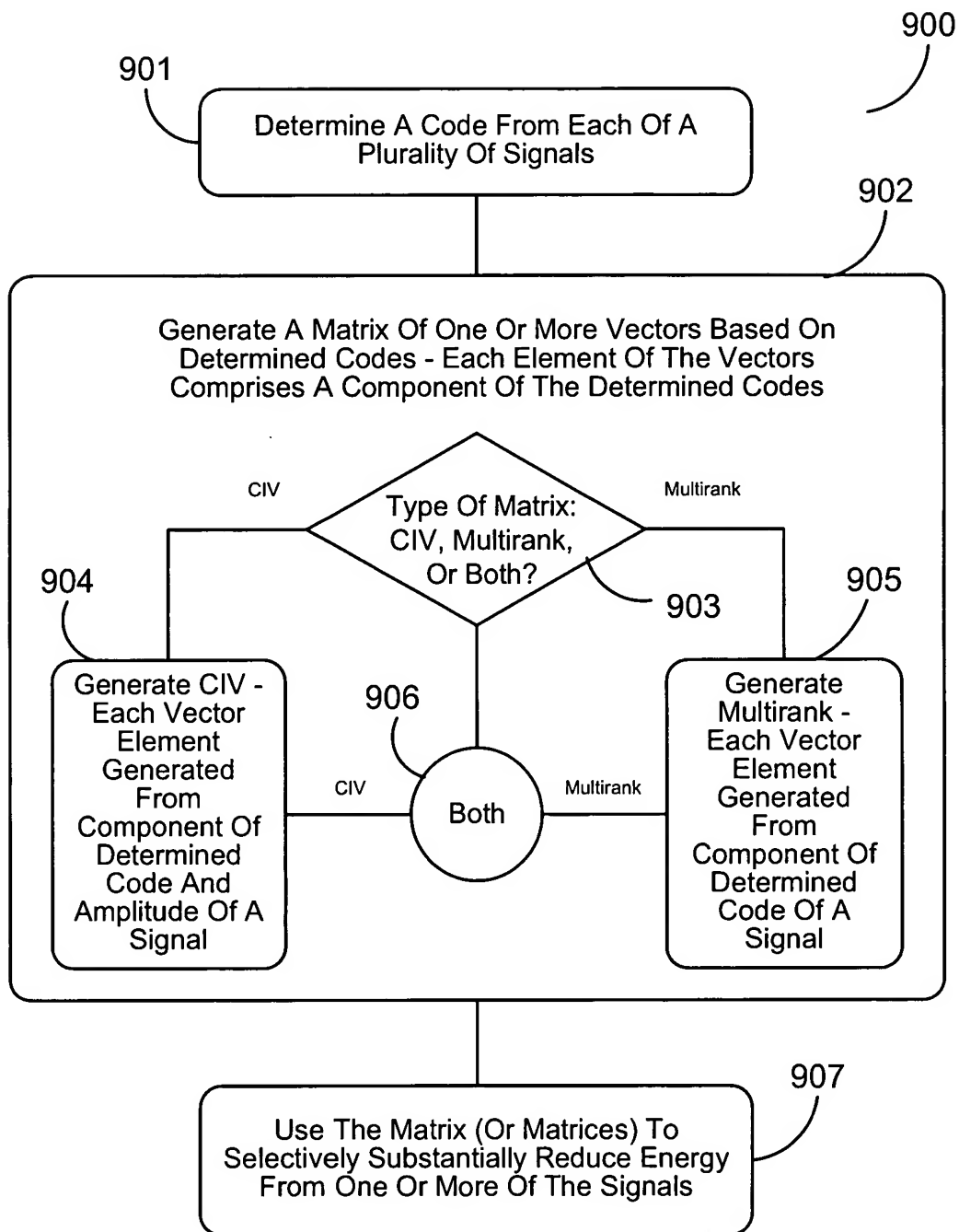


Figure 9

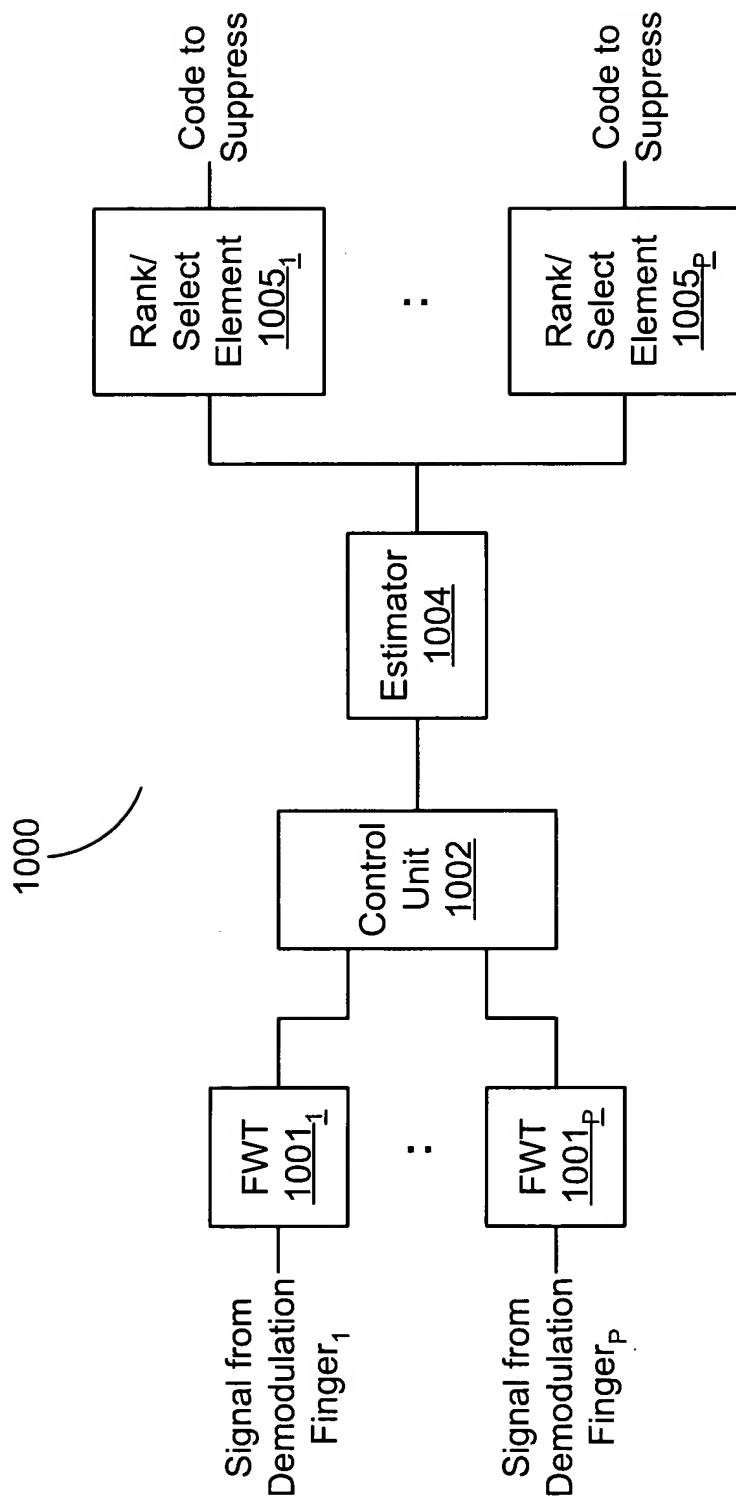


Figure 10

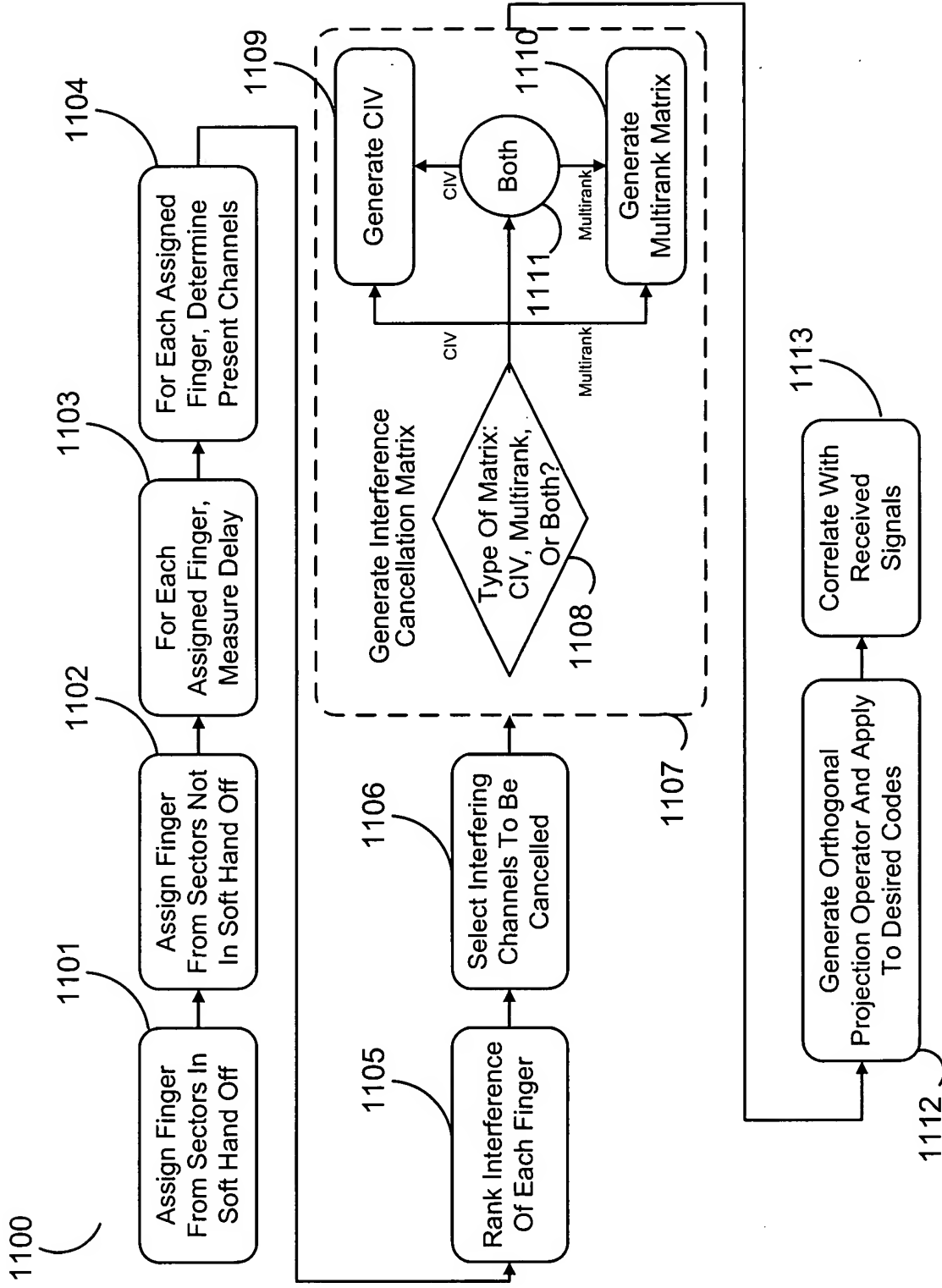


Figure 11